

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
EPA HOUSTON LABORATORY
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

RESUBMITTED DATA REVIEW REPORT

DATE: February 20, 1998 CASE #: 25969
 April 16, 1998 SDG #: MEHL25
TO: B. Kirchner 6SF-RA SITE NAME: Doyle F J Transformers
 USEPA Region 6 LAB NAME: AATS
FROM: Linda Hoffman REF: TDF #6-8164A
 ESAT - Region 6 ESAT File No. I2169
 ESAT Contract No. 68-D6-0005

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA:

Response to CCS (Received 02/18/98)

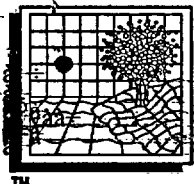
The resubmitted information does not change the original data review comments. The laboratory responded to CCS and made the necessary corrections. The resubmitted page should replace the one originally submitted.

Response to Region (Received 04/09/98)

The resubmitted information does not change the original data review comments. The laboratory responded to the regional request. The resubmitted page 94 should replace the one originally submitted.

963457





SOUTHWEST LABORATORY OF OKLAHOMA, INC.
AMERICAN ANALYTICAL & TECHNICAL SERVICES, INC.

1700 West Albany / Broken Arrow, Oklahoma 74012 / Office (918) 251-2858 / Fax (918) 251-2599

Date of Response: March 11, 1998

Laboratory Name: American Analytical and Technical Services
(AATS)

Laboratory Contact: Jason D. Ruckman
TEL 918-251-2858 / FAX 918-251-2599

Regional Contact: Linda Hoffman

Region: 6

In reference to data for the following sample(s) / SDG (s) : 25969/MFHL25

Resolution (s) :

- (1.) The cooler temperature should be noted in the case narrative if the indicator exceeds 10 degrees Celsius. The cooler temperature was listed on the Sample Log-In-Sheet as -5 degrees Celsius.
- (2.) On page 94 of the raw data, the EPA sample number has been corrected to reflect "S0" and is being resubmitted.
- (3.) The cyanide issue has been addressed in the CCS response. The Form 14 was corrected to showed the correct standard.

We apologize for the delay in response. At the time we had a large number of quick turn samples for a private client. Once again we apologize for the delay. If you have any further questions or issues please call: (918)-251-2858 X 152.

Jason D. Ruckman
Inorganic Program Manager

Date of Resolution

March 11, 1998

Standardization Rpt.

Wed 02-04-98 07:19:44 PM

page 1

Method: 61ET1

Standard: STD0/50

19:13 T1020419.ASC

Elem	As	Tl	Al	Ba	Be	Cd	Ca
Avge	.15731	-.06808	.37461	-.00269	-1.2427	.10154	.01346
SDev	.07306	.01500	.02513	.00352	.0144	.00529	.00851
%RSD	46.444	22.034	6.7082	130.93	1.1597	5.2075	63.181

#1	.14885	-.05077	.40269	-.00577	-1.2265	.10038	.02308
#2	.23423	-.07731	.36692	-.00346	-1.2542	.09692	.01038
#3	.08885	-.07615	.35423	.00115	-1.2473	.10731	.00692

Elem	Cr	Co	Cu	Fe	Mg	Mn	Ni
Avge	-.00885	-.13461	.06077	.00346	.00154	.00000	.01346
SDev	.02581	.14692	.00405	.00416	.00067	.00000	.01184
%RSD	291.76	109.14	6.6681	120.19	43.301	.00000	87.970

#1	.02077	-.22961	.06462	.00692	.00231	.00000	.00346
#2	-.02654	-.20885	.06115	.00462	.00115	.00000	.02654
#3	-.02077	.03462	.05654	-.00115	.00115	.00000	.01038

Elem	K	Ag	Na	330232	V	Zn	220Pb1
Avge	-1.2938	-.01462	21.856	-.01077	.00077	-.07308	.33192
SDev	.2574	.00635	.133	.02922	.00067	.01796	.62477
%RSD	19.897	43.481	.60768	271.33	86.603	24.580	188.23

#1	-1.3823	-.01500	21.940	.01154	.00115	-.09000	.66577
#2	-1.4954	-.00808	21.924	-.04385	.00115	-.07500	.71884
#3	-1.0038	-.02077	21.703	.00000	.00000	-.05423	-.38884

Elem	220Pb2	196Se1	196Se2	206Sb1	206Sb2	B	Mo
Avge	.04577	-.13231	.21654	.05885	.00808	.03769	.01385
SDev	.07234	.01091	.07247	.17738	.06013	.04627	.02601
%RSD	158.05	8.2427	33.466	301.43	744.50	122.77	187.82

#1	.00692	-.13615	.16961	-.14423	.01269	-.01038	-.00231
#2	.12923	-.12000	.30000	.13731	.06577	.08192	.04385
#3	.00115	-.14077	.18000	.18346	-.05423	.04154	.00000

Elem	Sc	Si	Sn	Sr	Ti	W	Bi
Avge	-.06577	.27269	-.06692	.00731	-.02846	1.9446	-.14115
SDev	.01473	.00405	.09826	.02371	.00742	.0225	.30228
%RSD	22.399	1.4860	146.83	324.49	26.064	1.1572	214.15

#1	-.06923	.27692	.04154	-.00808	-.02308	1.9546	-.38077
#2	-.07846	.27231	-.09231	.03462	-.03692	1.9604	-.24115
#3	-.04962	.26884	-.15000	-.00462	-.02538	1.9188	.19846

Elem	U
Avge	-.04846
SDev	.01311
%RSD	27.042

#1	-.05423
#2	-.03346
#3	-.05769

REVIEWED

BY

DATE 2/5/98

In Reference to
Case 25969/SDG MFHL25
Page 1 of 1 page
ESAT File No.: I2169

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

FAX Record Log

Date of FAX: February 18, 1998
Laboratory Name: AATS
Lab Contact: Jason Ruckman
Region: 6
Regional Contact: Linda Hoffman (ESAT)
FAX Initiated by: Region

In reference to data for the following sample number(s):

All samples in this SDG.

Summary of Questions/Issues:

1. The cooler temperature was not recorded on the case narrative (ILM04.0, Exhibit A, Task I, A-6, last paragraph of #5). Please acknowledge and note for the future.
2. On page 94 of the raw data, the EPA sample number should be "S0", not "S". Please correct and resubmit page 94.
3. On pages 125 and 126 of the cyanide raw data has an S5 standard but Form 14 (p. 42) has an S20 standard. If this discrepancy was not corrected in response to CCS, please correct and resubmit Form 14.

The EPA expects the laboratory to look into the above items and submit the data within 7 days to:

Attn: Mahmoud El-Feky - U.S. EPA
10625 Fallstone Road
Houston, TX 77099


Signature

02/18/98
Date

Distribution: (1) Lab Copy, (2) Region Copy

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LH

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF CONTRACT COMPLIANCE SCREENING (CCS)

Response To: (Check One)

 Organic CCS

 X Inorganic CCS

Response materials should be sent to the attention of the CCS Coordinator.

Labcode: AATS

Response Date: 2-17-98

Date Screening
Results Received
at Laboratory: 2/14/98

EPA Contract No. 68-DS-0141

Case No. 25969

SDG No. MFHL 25

Sample Nos.* S5

S10

*Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of Contract Compliance Screening (CCS). A separate form must accompany the response for each SDG.

Please indicate (on the attached continuation form) which fractions and/or which criteria correspond with your resubmission. Response materials sent to CCS should also be copied to the Region with this blue Cover Sheet.

LABORATORY RESPONSE TO RESULTS OF CCS

[illegible]


14
ANALYSIS RUN LOG

End Date: 01/21/98

ILM02.1

Original in SDG — MFHL94

(3)
pg.2

 United States Environmental Protection Agency Contract Laboratory Program		Inorganic Traffic Report & Chain of Custody Record (For Inorganic CLP Analysis)			Case No. 25969	
1. Project Code 6		2. Region No. Sampling Co. TNRCC		4. Date Shipped Carrier 1-14-98 Airborne Express		
Regional Information		3. Sampler (Name) Gary Hazelwood		6. Matrix (Enter in Column A) 1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (specify in Column A)		
Non-Superfund Program		Sampler Signature <i>Gary Hazelwood</i>		7. Preservative (Enter in Column D) 1. HCl 2. HNO ₃ 3. NaOH 4. H ₂ SO ₄ 5. K ₂ Cr ₂ O ₇ 6. Ice only 7. Other (specify in Column D) N: Not preserved		
Site Name Frank J. Doyle Transformer		3. Purpose <input checked="" type="checkbox"/> Early Action <input type="checkbox"/> Long-Term Action		5. Ship To AATS 1700 West Albany, Suite C Broken Arrow, OK 74012		
City, State Leonard, TX		Site Spill ID		ATTN: Chuck Hoover		
CLP Sample Numbers (from labels)		A Matrix (from Box 6) Other:		B Conc. Low Med High		
C Sample Type: Comp./Grab		D Preservative (from Box 7) Other:		E - RAS Analysis Dis. Metals Total Metals Cyanide NO ₂ /NO ₃ Fluoride pH Conduct.		
F Regional Specific Tracking Number or Tag Numbers		G Station Location Identifier		H Mo/Day/Year/Time Sample Collection		
I Corresponding CLP Organic Sample No.		J Sampler Initials		K Field QC Qualifier B = Blank S = Spike D = Duplicate R = Rinse PE = Perform. Eval. - = Not a QC Sample		
MFHL96	4	Low	Grab	5	XX	
MFHL25	4	Low	Grab	5	XX	
MFHM11	5	Low	Comp	5	XX	
MFHM06	5	Low	Comp	5	XX	
MFHM00	5	Low	Comp	5	XX	
MFHM01	5	Low	Grab	5	XX	
MFHM02	5	Low	Grab	5	XX	
MFHL97	5	Low	Grab	5	XX	
MFHL99	5	Low	Grab	5	XX	
MFHL94	5	Low	Grab	5	XX	
Shipment for Case Complete? (Y/N)		Page 2 of 3		Sample(s) to be Used for Laboratory QC		
				Additional Sampler Signature		

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>Chuck Hoover</i>	Date / Time 01/14/98 19:30	Received by: (Signature)	Relinquished by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time

MFHL97- A

MFHM02

MFHL-96 → Rinse
25

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EPA Form 9110-1

201-012-13 REV



Inorganic Traffic Report & Chain of Custody Record (For Inorganic CLP Analysis)

Case No.

25969

1. Project Code		Account Code		2. Region No.		3. Sampling Co.		4. Date Shipped		Carrier		6. Matrix (Enter in Column A)		7. Preservative (Enter in Column D)			
				6		TNRCC		1-14-98		Airborne Express		1. Surface Water 2. Ground Water 3. Leachate 4. Field QC 5. Soil/Sediment 6. Oil (High-only) 7. Waste (High-only) 8. Other (specify in Column A)		1. HCl 2. HNO ₃ 3. NaOH 4. H ₂ SO ₄ 5. K ₂ Cr ₂ O ₇ 6. Ice only 7. Other (specify in Column D) N: Not preserved			
Regional Information				Sampler (Name) Gary Hazelwood				Airbill Number 2423938333									
Non-Superfund Program				Sampler Signature Gary Hazelwood				5. Ship To AATS 1700 West Albany, Suite C Broken Arrow, OK 74012 ATTN: Chuck Hoover									
Site Name Frank J. Doyle Transformer				3. Purpose													
City, State Leonard, TX				Site Spill ID													
				<div> <div>Lead</div> <div> <input type="checkbox"/> SF <input type="checkbox"/> PRP <input type="checkbox"/> ST <input type="checkbox"/> FED </div> </div> <div> <div>Early Action</div> <div> <input type="checkbox"/> CLEM <input type="checkbox"/> PA <input type="checkbox"/> REM <input type="checkbox"/> RI <input checked="" type="checkbox"/> SI <input type="checkbox"/> ESI </div> </div> <div> <div>Long-Term Action</div> <div> <input type="checkbox"/> FS <input type="checkbox"/> RD <input type="checkbox"/> RA <input type="checkbox"/> O&M <input type="checkbox"/> NPLD </div> </div>													
CLP Sample Numbers (from labels)		A Matrix (from Box 6)	B Conc. Low Med High	C Sample Type: Comp/ Grab	D Preservative (from Box 7)	E - RAS Analysis				F Regional Specific Tracking Number or Tag Numbers		G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Organic Sample No.	J Sampler Initials	K Field QC Qualifier	
		Other:			Other:	Diss. Metals	Total Metals	Cyanide	NO ₃ /NO ₂	Fluoride	pH	Conduct.					
MFHL96		4	Low	Grab	5	XX							6-164733-734	ERO1	01/14/98 8:45	FFR 74	GH
MFHL25		4	Low	Grab	5	XX							6-164738-739	ERO2	01/14/98 12:50	FFR 69	GH
MFHMI1		5	Low	Comp	5	XX							6-164773-774	SO-05	01/14/98 10:45	FFR 89	GH
MFHMI06		5	Low	Comp	5	XX							6-164779-780	SO-06	01/14/98 10:35	FFR 84	GH
MFHMI02		5	Low	Comp	5	XX							6-162816-817	SO-12	01/14/98 10:50	FFR 78	GH
MFHMI01		5	Low	Grab	5	XX							6-162822-823	SO-13	01/14/98 9:20	FFR 79	GH
MFHMI02		5	Low	Grab	5	XX							6-162828-829	SO-14	01/14/98 9:10	FFR 80	GH
MFHL97		5	Low	Grab	5	XX							6-162834-835	SO-15	01/14/98 9:05	FFR 75	GH
MFHL99		5	Low	Grab	5	XX							6-162846-847	SO-17	01/14/98 11:30	FFR 77	GH
MFHL94		5	Low	Grab	5	XX							6-162852-853	SO-18	01/14/98 11:45	FFR 72	GH
Shipment for Case Complete? (Y/N)		Page		Sample(s) to be Used for Laboratory QC				Additional Sampler Signatures				Chain of Custody Seal Number(s)					
Y		2 of 2															

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature) <i>[Signature]</i>	Date / Time 01/14/98 19:30	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

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EPA Form 9110-1

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

A21-012-13 REV